

TAB

INFORMATION SCIENCE TRAINING DURING FY 70
IN WHICH INTELLIGENCE PERSONNEL FROM CIA PARTICIPATED

1/ SOURCE PROVIDING TRAINING	2/ COURSE TITLE	3/ CATEGORY OF TRAINING						4/ TOTAL CLASS HOURS	5/ TRAINEES TOTAL, listing by Military and Civilian by User, or System Personnel is shown on continuation page.	
		General Orientation	Systems Analysis and Design	Computer Programming	Application	Methods and Techniques	Gov't. Time		Total	Line Reference on Con't Page
American University (H)	ADP Systems 55.530	X					90		2	1.
" "	Automatic Data Processing 55.530	X					270		6	2.
" "	Introduction to Data Processing 55.310	X					360		8	3.
" "	System Design for Business Operations 55.560		X				45		1	4.
" "	Systems Planning and Analysis		X				45		1	5.
						SOURCE TOTAL	610		18	
American University	Accounting Methods 10.400				X		45		1	6.
" "	ADP Systems 55.530		X				45		1	7.
" "	Automatic Data Processing 55.530	X					135		3	8.

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American University	Computer Programming I 55.412			X			45		1	9.
" "	Introduction to Data Processing 55.310	X					360		8	10.
" "	Management of Automatic Data Processing Systems 55.561		X				45		1	11.
" "	Systems Design 55.560		X				180		4	12.
" "	Systems Planning and Analysis		X				45		1	13.
" "	The Systems Approach 55.511		X				45		1	14.
							SOURCE TOTAL	945	21	
George Washington University	Analog and Hybrid Computers ENG 256			X		X	90		2	15.
"	Assembler Language			X			45		1	16.

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George Washington University	Computer Systems Analysis Techniques		X				45	1	17.
"	Data Processing System RAD 120		X				45	1	18.
"	Digital Computer Programming Conceptions BRPA 219	X					45	1	19.
"	Digital Control Systems of Engineering ENG 122		X		X		45	1	20.
"	Digital Systems 272		X				45	1	21.
"	Introduction to Data Processing RAD 116	X					90	2	22.
"	Management of Data Processing Organization BA 223				X	X	45	1	23.
"	Operation Research and Information Retrieval BRPA 229					X	45	1	24.

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George Washington University	Survey of Data Processing B&PA 218	X					90		2	25.
						SOURCE TOTAL	630		14	
Harvard University	Computer Graphics (correspondence course)					X	0		1	26.
						SOURCE TOTAL	0		1	
Northern Virginia Community College	FORTRAN IV			X			45		1	27.
"	Introduction to Data Processing DAPR 100	X					45		1	28.
"	Principles Procedures ADP Systems			X			58		2	29.
						SOURCE TOTAL	148		4	

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		General Orientation	Systems Analysis and Design	Computer Programming	Application	Methods and Techniques	Gov't. Time	Non-Gov't Time	Total	Line Reference on Con't Page
Prince Georges Community College	Data Processing DP153	X					60		1	30.
							SOURCE TOTAL	60	1	
University of Southern California	Computer-Orientation Techniques in Pattern Recognition				X		40		1	31.
"	Digital Communications					X	80		1	32.
							SOURCE TOTAL	120	2	
UCLA Extension	Image Processing by Computer				X		80		1	33.
"	Measurement and Analysis of Random Data					X	40		1	34.
							SOURCE TOTAL	120	2	
University of Michigan	Digital Communications					X	40		1	35.
							SOURCE TOTAL	40	1	

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University of California	Image Processing by Computer				X		80		1	36.
	Number Analysis and Digital Computer Methods Engineering System					X	40		1	37.
							<u>120</u>		<u>2</u>	
University of Maryland	Automata Theory and Neural Models					X	45		1	38.
	Data and Storage Structure CMSC 150					X	45		1	39.
	Software Design					X	45		1	40.
							<u>135</u>		<u>3</u>	
University of Virginia	Introduction to ADP GSDP 52	X					90		2	41.
							<u>90</u>		<u>2</u>	

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University of Santa Clara	Management Standards for ADP				X		45	1	42.
					SOURCE TOTAL		45	1	
University of Wisconsin Madison	Introduction to Digital Logic	X					40	1	43.
					SOURCE TOTAL		40	1	
Central Intelligence Agency	ADP Orientation	X					4944	206	44.
"	ALC Macro Writing			X		X	440	16	45.
"	APL/360			X			936	39	46.
"	Basic Business System Analysis II		X				3720	31	47.
"	Compile Time Facilities in PL/1				X		32	4	48.

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Central Intelligence Agency	FORTRAN			X			390		13	49.
	Interactive EDP Orientation				X		204		17	50.
	Linear Programming			X			384		16	51.
	Modified ADEPT			X			2600		13	52.
	Operating System/360		X				330		11	53.
	PL/1 Intermediate			X			820		27	54.
	Systems Analysis		X				1920		24	55.
	360 Introduction	X		X			384		12	56.
				SOURCE TOTAL			17104		429	
Armed Forces Staff College	ADP Basic (correspondence course)	X					0		3	57.
				SOURCE TOTAL			0		3	

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Civil Service Annapolis	Data Analysis		X				24		1	58.
					SOURCE TOTAL		24		1	
Civil Service Commission Washington, DC	Advanced Systems Technology for ADP Systems Analysis CS 8226 ADP		X				40		1	59.
"	Computer System Evaluation and Selection		X				24		1	60.
"	Decision Tables CS 8636 ADP					X	24		1	61.
"	Field Work Program ADP Systems Analysis		X				66		1	62.
"	Seminar in ADP Management and Administration CS 8627 ADP				X		24		1	63.

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		General Orientation	Systems Analysis and Design	Computer Programming	Application	Methods and Techniques	Gov't. Time	Non-Gov't Time	Total	Line Reference on Con't Page
Civil Service Commission Washington, DC	Systems Analysis CS 8605 MID		X				60		1	64.
	Systems Analysis for Computer Programmers CS 8624 ADP		X				120		3	65.
	Systems Analysis for Government Operations		X				48		2	66.
	Systems Analysis Seminar		X				60		1	67.
	Systems Workshop for Computer Specialists CS 8635 ADP		X				40		1	68.
	Workshop for Programmers CS 8622			X			160		2	69.
						SOURCE TOTAL	666		15	
Defense Intelligence School	Information Science in Support of Intelligence			X			760		3	70.

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Defense Intelligence School	Information Sciences Institute	X				X	320		1	71.
						SOURCE TOTAL	1080		4	
DOD Computer Institute Washington, D. C.	Seminar in ADP Management and Administration				X		40		1	72.
						SOURCE TOTAL	40		1	
USA Adjutant General School	Introduction to ADP (correspondence course)	X					0		3	73.
	Introduction to Computer Processing (correspondence course)	X					0		1	74.
						SOURCE TOTAL	0		4	
USDA	Assembler Language Coding for New Programmers D3-523			X		X	45		1	75.

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USDA	Data Processing D3-559	X						40	1	76.
	Lectures on Systems Management - Control		X					24	1	77.
					SOURCE TOTAL			109	3	
USDA Graduate School Agriculture	ADP Systems		X					24	1	78.
	Assembler Language Coding for New Programmers D3-523			X				90	2	79.
	Disk/Tape Operating Systems - Systems Program		X					45	1	80.
	Introduction to Computer Processing	X						40	1	81.
	Lectures on Systems Management - Control		X		X			24	1	82.
								223	6	

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USDA Graduate School 25X1A 	Effective Management DP6-6			X				45	1	83.
				SOURCE TOTAL				45	1	
	Computer Programming			X				24	1	84.
				SOURCE TOTAL				24	1	
	Operating Systems Coding					X		16	2	85.
	Seminar in ADP				X			16	1	86.
				SOURCE TOTAL				32	3	
	Decision Tables					X	24		1	87.
	Decision Tables Principles and Applications					X	24		1	88.
				SOURCE TOTAL				48	2	

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	Optical Character Recognition			X			24		1	89.
				SOURCE TOTAL			24		1	
	Computer Programming 8401			X			152		1	90.
				SOURCE TOTAL			152		1	
	Data Base Management				X		24		1	91.
	Master Operating System CDC		X				40		1	92.
	Optical Character				X		72		3	93.
	The Mini-Computers Impact on the 70's				X	X	48		2	94.
	1700 Assembler Language			X			40		1	95.
				SOURCE TOTAL			224		8	

25X1A

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25X1A	User Training Course			X			320		4	96.
							SOURCE TOTAL		4	
	ALC Workshop II K3601-63			X			24		1	97.
	Computing Systems Fundamentals Y9897		X				112		3	98.
	Fundamentals of Programming F3601	X					120		3	99.
	Operating Systems Generation 13660-63		X				80		2	100.
	Operating Systems Coding S3660-65		X				72		1	101.
	OS Coding S/360					X	192		4	102.
	OS Operators Training Systems/360 A3661					X	40		1	103.

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	S/360 ALC Workshop K3601			X			128	7	104.
	S/360 Basic PL/1 Coding P3650			X			288	3	105.
	S/360 Computer Systems Design and Analysis D3602		X				160	2	106.
	S/360 OS Data Management Coding H3667					X	40	1	107.
	S/360 QTAM Coding Workshop K3664					X	40	1	108.
	Systems Programming H3668		X	X			45	1	109.
	360 Assembly Language Coding K3600					X	32	1	110.
SOURCE TOTAL							1373	31	

25X1A

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25X1A	Executive Computer Concepts EX-83			X			40	1	111.
				SOURCE TOTAL			40	1	
	ADP for Intelligence Community Exercise			X			240	6	112.
	Data Processing for Executives			X			40	1	113.
				SOURCE TOTAL			280	7	
	1130 Programming Systems S1130		X				24	1	114.
				SOURCE TOTAL			24	1	
	Expanding Use of Computers in 1970			X			24	1	115.
				SOURCE TOTAL			24	1	

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25X1A	Management of Automatic Data Processing Systems			X			24	1	116.
	Time Sharing Theory and Operation					X	24	1	117.
				SOURCE TOTAL			48	2	
	Data Analysis					X	24	1	118.
				SOURCE TOTAL			24	1	
	Computer Programming			X			80	1	119.
	DDP-516 Programming			X			200	1	120.
	16 Bit Equipment Accelerated			X			40	1	121.
				SOURCE TOTAL			320	3	

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25X1A	Digital Computers in Real Time					X	32	1	122.
							SOURCE TOTAL 32	1	
	Digital Communications					X	40	1	123.
	Digital System Engineering		X			X	40	1	124.
	Logical Design for Digital Systems		X				120	3	125.
							SOURCE TOTAL 200	5	
	Digital Communications					X	40	1	126.
	Digital Systems		X				80	2	127.
	Logical Design for Digital Systems		X				165	4	128.
							SOURCE TOTAL 285	7	

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25X1A	Digital Communications					X	40	1	129.
	Logical Design for Digital Systems		X				40	1	130.
							80	2	
	Familiarization and Testing 650 Computer Programs I			X	X		56	1	131.
	Ruggednova Familiaration	X					56	1	132.
							112	2	
	Computer Programming			X			80	1	133.
							80	1	
	Workshop Conference				X		40	1	134.
							40	1	

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	Concepts of Computing	X					80		2	135.
	Digital Computer Programming			X			40		1	136.
	Fund Computer Concepts Program Techniques			X			160		2	137.
	UNIVAC 900 Series			X			160		2	138.
	UNIVAC 9300 Tape Assembler			X			160		2	139.
						SOURCE TOTAL	480		8	
Grand Total: Students									634	
Grand Total: Employees									509	
Grand Totals: Gov't. and Non-Gov't. Time							23,609	3,251		